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# PCT

NOTIFICATION OF TRANSMITTAL
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OF THE INTERNATIONAL PRELIMINARY
EXAMINATION REPORT

(PCT Rule 72.2)

KYOWA HAKKO KOGYO CO., LT Chiyoda-ku, Tokyo 100-8185
JAPON

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Applicant's or agent's file reference 1499

IMPORTANT NOTIFICATION

International application No. PCT/JP2003/009459

International filing date (day/month/year) 25 July 2003 (25.07.2003)

Applicant

KYOWA HAKKO KOGYO CO., LTD. et al

1. Transmittal of the translation to the applicant.

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3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

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The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

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Masashi Honda

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# Translation

# PATENT COOPERATION TREATY

# PCT Application PCT/JP2003/00945

# **PCT**

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference		
1499 International application No.		NotificationofTransmittalofInternational Preliminar nination Report (Form PCT/IPEA/416)
PCT/JP2003/009459	International filing date (day/month/)	year) Priority date (dayley all)
	25 July 2003 (25.07.2003)	25 July 2002 (25.07.2002)
International Patent Classification (IPC) or n C12P 7/66	ational classification and IPC	(20.07.2002)
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Applicant		
K	YOWA HAKKO KOGYO CO.	, LTD.
1. This international preliminary examination	nation report has been prepared by the	International Preliminary Examining Authority
and is transmitted to the applicant acc	ording to Article 36.	International Preliminary Examining Authority
2. This REPORT consists of a total of	3 sheets, including this co	
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70.16 and Section 607 of the A	nis report and/or sheets containing rec dministrative Instructions under the PC	cription, claims and/or drawings which have been stiffications made before this Authority (see Rule 27).
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3. This report contains indications relating	g to the following items:	
I Basis of the report	Total	
II Priority		
III Non-establishment of o	pinion with regard to novelty, inventive	e sten on die day to
IV Lack of unity of invent	ion	e step and industrial applicability
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citations and explanation	ler Article 35(2) with regard to novelty ns supporting such statement	, inventive step or industrial applicability;
VI Certain documents cited		
	•	
VIII Certain observations on	the international application	
ate of submission of the demand		
•	Date of completion	of this report
25 December 2003 (25.12.20	03)	January 2004 (20 01 000 )
		January 2004 (20.01.2004)
me and mailing address of the IPEA/JP	Authorized officer	
	January Sandor	
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m PCT/IPEA/409 (cover sheet) (July 1998)	Telephone No.	
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International application No.

PCT/JP2003/009459

### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

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	regard to the elements of the international application:*		
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$\Box$	the claims:		
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# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

PCT/JP 03/09459

NO

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Statement Novelty (N)	Claims	1-6	YES
inovoity (1)	Claims		NO
Inventive step (IS)	Claims	1-6	YES
	Claims		NO

Claims

# 2. Citations and explanations

Document 1: M. SHANSHAL et al., "Physicochemical Studies of the Solution Behaviour of Ubiquinone (CoQ). 2. The Association of Ubiquinone, 0 in Aqueous Phosphate Buffer and in Methanol Solutions and of Ubiquinone, 10 in n-hexane and in Ethanol Solutions," Stud. Biophys., 1984, Vol. 103, No. 3, pages 209-216

Document 2: JP 61-293391 A (Kabushiki Kaisha Sanko Seisakusho), 24 December 1986

Document 3: JP 11-178595 A (Cosmo Research Inst.), 06
July 1999

## Claims 1-6

The invention that is set forth in claims 1-6 involves an inventive step in relation to documents 1-3 cited in the international search report. Documents 1-3 do not disclose the feature of "refining the ubiquinone-10 that is produced by microorganisms using only methanol," and it is not considered to be easy for even a person skilled in the art to conceive of this feature in the light of documents 1-3.